APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/853,778	05/14/2001	Tatsuyoshi Yamamoto	024190-00000	6632

7590   12/09/2004

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EXAMINER
TRAN, ELLEN C

ART UNIT	PAPER NUMBER
2134	

DATE MAILED: 12/09/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

PTO-90C (Rev. 10/03)

-- *The MAILING DATE of this communication appears on the cover sheet with the correspondence address* --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE <u>3</u> MONTH(S) FROM
THE MAILING DATE OF THIS COMMUNICATION.
- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed
  after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
  Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any
  earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on <u>*14 May 2001*</u>.

2a)☐ This action is **FINAL**.   2b)☒ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is
   closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) <u>*1-50*</u> is/are pending in the application.

   4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☐ Claim(s) _____ is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☐ The drawing(s) filed on _____ is/are: a)☒ accepted or b)☐ objected to by the Examiner.

   Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

   Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

   a)☒ All   b)☐ Some * c)☐ None of:

      1.☐ Certified copies of the priority documents have been received.

      2.☐ Certified copies of the priority documents have been received in Application No. _____.

      3.☐ Copies of the certified copies of the priority documents have been received in this National Stage
         application from the International Bureau (PCT Rule 17.2(a)).

   * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☒ Notice of References Cited (PTO-892)
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
   Paper No(s)/Mail Date _____.

4) ☐ Interview Summary (PTO-413)
      Paper No(s)/Mail Date. _____ .
5) ☐ Notice of Informal Patent Application (PTO-152)
6) ☐ Other: _____ .

DETAILED ACTION

1.   This action is responsive to communication: original application filed

14 May 2001 acknowledgment is made of foreign priority of 12 May 2000.

2.   Acknowledgement is made of pre-amendment filed on 14 May 2001.

3.   Claims 1-50 are currently pending in this application. Claims 1, 3, 6, 7, 9, 11, 17,

24, 34, and 42 are independent claims.

Claim Rejections - 35 USC § 102

4.   The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that

form the basis for the rejections under this section made in this Office action:

> A person shall be entitled to a patent unless –
>
> (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language

5.   **Claims 1-50** are rejected under 35 U.S.C. 102(e) as being anticipated by Salo et

al. U.S. Patent Application Publication No. 2004/0193,695 A1 (hereinafter '695).

6.   **As to independent claim 1, "An information access method comprising the**

steps of placing a first server within a network protected by a firewall; connecting

said first server with a second server located outside said network" is taught in '695

pages 4-5 paragraphs 0057 & 0058;

        "by a private line or a virtual private line" is shown in '695 page 7, paragraph

0081;

        "taking at least some of files possessed by said first server and said second

server as common files whose contents are maintained in common with each other;

and permitting information access to the common files in said first server, whereby

an originator terminal that implements said access can gain information in the

common said second server" is disclosed in '695 page 6, paragraphs 0071-0073.

As to dependent claim 2, "wherein said first server has a Web mail server

function, and wherein information is exchanged between said first server and a wire

or wireless communication device having a Web mailing function by Web mails

while using said communication device as the originator terminal" is taught in '695

page 2, paragraph 0023.

As to independent claim 3, "An information access method comprising the

steps of: placing a first server capable of responding to access from a wire or

wireless communication device within a network protected try a firewall; connecting

said first server with a second server located outside said network" is shown in '695

pages 4-5 paragraphs 0057 & 0058;

"by a private line or a virtual private line" is disclosed in '695 page 7,

paragraph 0081;

"loading a given application program into said second server" is taught in

'695 page 4-5, paragraphs 0060-0067;

"causing said second server to activate and operate said application program

according to commands which are generated by said wire or wireless

communication device and which are included in access passed through said

firewall; and sending information about results of operation of said program to said

wire or wireless communication device via said first server" is taught in '695 page 3,

paragraphs 0039-0041.

As to dependent claim 4, "wherein said communication device is a cellular phone" is taught in '695 page 2, paragraph 23.

As to dependent claim 5, "wherein if said network has plural segments independent of each other, said first server is placed in each of said segments, and wherein accesses passed through said firewall are assigned to the first servers specified by said accesses" is shown in '695 page 5, paragraph 0060.

As to independent claim 6, "A network system having a network protected by a firewall, comprising: segments forming said network and including a first segment; a first server placed in said, first segment and capable of responding to access passed through said firewall" is disclosed in '695 pages 4-5 paragraphs 0057 & 0058;

"at least some of said files being common files whose contents are maintained in common with each other; and one of said first servers receiving said access and acting to search the common files held in this first server for corresponding information and to send the fetched information to an originator terminal implemented said access" is taught in '695 page 7, paragraphs 0079 & 0086.

As to independent claim 7, "A network system having a network protected by a firewall, comprising: plural segments that are independent of each other within said network" is shown in '695 pages 4-5 paragraphs 0057 & 0058;

"a communication control means mounted within said network to assign access passed through said firewall to any one of said segments a first server which is placed in each of said segments and is capable of responding to said access" is disclosed in '695 page 7, paragraph 0081;

"each of said segment having a connection port for connecting said first server with a second server located outside said network by a private line or a virtual private line" is taught in '695 page 7, paragraph 0081;

"files held in said first and second servers in each segment, at least some of said files being common files whose contents are maintained in common with each other; and one of said first servers receiveing said access and acting to search the common files held in this first server for corresponding information and to send the fetched information to an originator terminal implemented said access" is shown in '695 page 6, paragraphs 0071-0073.

As to dependent claim 8, "wherein each of said first and second servers is designed so that, if a change in the common files of its own occurs, differential data before and after the change is sent to other server and that, if said differential data is received from the other server, the differential data is automatically copied into the common files of its own" is disclosed in '695 page 3, paragraph 0041.

As to independent claim 9, "A network system having a network protected by a firewall, comprising: segments forming said network and including a first segment; a first server placed in said first segment and capable of responding to access passed through said firewall; said first segment having a connection port for connecting said first server with a second server located outside said network" "by a private line or a virtual private line" is shown in '695 pages 4-5 paragraphs 0057 & 0058;

"said second server being loaded with a given application program" is disclosed in '695 page 3, paragraphs 39-41;

"said first server acting to cause said second server to activate and operate said application program according to commands included in said access, to gain information about results of operation of said program, and to send the gained information to an originator terminal implemented said access" is taught in '695 page 6, paragraphs 0071-0073.

As to dependent claim 10, this claim is substantial similar to dependent claim 2, and is rejected along the same rationale.

As to independent claim 11, "A network system comprising: a network protected by a firewall; a first server of a user enterprise placed within said network; a second server of said user enterprise placed outside said network" is taught in '695 pages 4-5 paragraphs 0057 & 0058;

"**said first and second servers being interconnected by a private line or a virtual private line**" is shown in '695 page 7, paragraph 0081;

"**files held in said first and second servers, at least some of said files being in-house information files of said user enterprise whose contents are maintained in common with each other**" is disclosed in '695 page 7, paragraphs 0079 & 0086;

"**said network acting to authenticate access from a wireless mobile terminal controlled by an authenticated person**" is taught in '695 page 7, paragraphs 0079 & 0086;

"**said first server having a means for executing a copying task for maintaining said in-house information files of its own in common with the contents of said second server; and**" is disclosed in '695 page 6, paragraphs 0071-0073;

"said first server further including means for executing at least one of reception processing for receiving information into said in-house information filers of its own according to contents of said authenticated access, transmission processing for transmitting information contained in said in-house information files of its own, information search processing, and schedule processing for reading or entering an in-house schedule contained in said in-house information file of its own, whereby permitting communication with said wireless mobile terminal implementing said access" is taught in '695 page 7, paragraphs 0070-0074.

As to dependent claim 12, "wherein said first server further includes a means for assisting transfer of information in the in-house information files among members of said user enterprise including said authenticated person" is shown in '695 page 10, paragraph 0115.

As to dependent claim 13, "wherein said first server further includes a means for creating a mobile address book which consists of addresses of a given number of persons extracted from an employee address book of said user enterprise and which will be presented on said wire or wireless communication device" is disclosed in '695 page 4, paragraph 0056.

As to dependent claim 14, "wherein said first server has a time-measuring means, and wherein when said schedule processing is performed, only data about scheduled events later than the present date or present time are subjected to said schedule processing" is taught in '695 page 4, paragraph 0056.

As to dependent claim 15, this claim contains substantially similar subject matter as dependent claim 2 and is rejected along the same rationale.

As to dependent claim 16, "wherein said first server is designed to limit displayed information about destinations included in a document displayed on said cellular phone" is disclosed in '695 page 6, paragraph 0071.

As to independent claim 17, "An information access method comprising the steps of: transmitting a command from an originator to at least one first server positioned within a network" is taught in '695 pages 4-5, paragraphs 0057-0058;

"receiving data based on said command, said data is at least one common file maintained in common on said at least one first server and on at least one second server outside the network" is shown in '695 pages 6 paragraphs 0071-0073;

"and coupling said at least one first server with said at least one second server by a private line or a virtual private line" is shown in '695 page 7, paragraph 0081;

"wherein said command is transmitted from said originator to a first router, and said first router routes said command to a firewall" is disclosed in '695 pages 4-5, paragraphs 0057 & 0058.

As to dependent claims 18 and 19, these claims contain substantial similar subject matter as dependent claim 2, and are rejected along the same rationale.

As to dependent claim 20, "further comprising the steps of: authorizing access through said firewall to a second router, said second router encrypts said command; and transmitting said command to said at least one first server based on encryption results" is taught in '695 page 7, paragraphs 0080-0081.

As to dependent claim 21, "further comprising the step of: denying access through said firewall, said firewall determines that said command is unauthorized to access said network" is shown in '695 page 5, paragraph 0063.

As to dependent claim 22 and 23, these claims contain substantial similar subject matter as dependent claim 2, and are rejected along the same rationale.

As to independent claim 24, "An information access method comprising the steps of: positioning at least one first server within a network" and "securing said at least one first server with a firewall, said firewall having a network access control disposed therein" is taught in '695 pages 4-5 paragraphs 0057 & 0058;

"said at least one first server stores at least one common file maintained in common with at least one second server positioned outside said network" is taught in '695 page 6, paragraphs 0071-0073;

"coupling said at least one first server with said at least one second server by a private line or a virtual private line" is shown in '695 page 7, paragraph 0081;

"receiving a command from an originator; and transmitting said at least one common file to said originator is disclosed in '695 page 6, paragraphs 0071-0073.

As to dependent claim 25, "said securing step further comprising the steps of: authorizing access to said network through said firewall; and accessing said at least one first server" is taught in '695 pages 4-5, paragraphs 0057 & 0058.

As to dependent claim 26, "said securing step further comprising the step of: denying access through said firewall, said firewall determines that said command is unauthorized to access said network" is shown in '695 page 5, paragraph 0063 and page 6, paragraph 0070.

As to dependent claims 27-30, these claims contain substantial similar to dependent claim 2, and are rejected along the same rationale.

As to dependent claim 31, "said positioning step further comprising the step of: positioning said at least one first server within at least one segment of said network, said at least one segment comprises a port for coupling said at least one first server with said at least one second server" is disclosed in '695 page 7, paragraph 0083.

As to dependent claim 32, "further comprising the steps of: comparing a first set of files stored in said at least one first server with a second set of files stored in said at least one second server, and copying at least a portion of said second set of files to said first set of files so that said first set of files and said second set of files being identical" is shown in '695 page 6, paragraph 0073.

As to dependent claim 33, "further comprising the step of: transmitting at least a portion of the first set of files to said at least one second server so that said first set of files and said second set of files being identical" is disclosed in '695 page 6, paragraph 0073.

As to dependent claim 34, "An information access method comprising the steps of: coupling at least one first server within a network with at least one second server outside said network" and **"securing said at least one first server with a firewall, said firewall having a network access control disposed therein"** is taught in '695 pages 4-5 paragraphs 0057 & 0058;

"by a private line or a virtual private line" is shown in '695 page 7, paragraph 0081;

"receiving a command from an originator; transmitting said command to said at least. one second server, said at least one second server having data stored therein; receiving a portion of said data from said at least one second server; and transmitting said portion of said data to said originator" is disclosed in '695 page 6, paragraphs 0071-0073.

As to dependent claim 35, "further comprising the step of: executing an application program stored in said at least one second server" is taught in '695 page 6, paragraph 0073.

As to dependent claim 36, "said receiving the command step further comprising the steps of: authorizing access to said network through said firewall; and accessing said at least one first server" is shown in '695 page 6, paragraph 0073.

As to dependent claim 37, "said receiving the command step further comprising the step of: denying access through said firewall, said firewall determines that said command is unauthorized to access said network" is disclosed in '695 page 5, paragraph 0063.

As to dependent claim 38-41, these claims contain substantial similar to dependent claim 2, and are rejected along the same rationale.

As to independent claim 42, "An information access method comprising the steps of: coupling at least one first server within a network with at least one second server outside said network, said at least one second server having an application program stored therein" and "securing said at least one first server with a firewall, said firewall having a   network access control disposed therein" is taught in '695 pages 4-5 paragraphs 0057 & 0058;

"coupling said at least one first server with said at least one second server by a private line or a virtual private line" is shown in '695 page 7, paragraph 0081;

"receiving a command from said at least one first server; executing said application program; and transmitting data obtained by the execution of said application program to said at least one first server" is disclosed in '695 page 6, paragraphs 0071-0073.

As to dependent claim 43, "said executing step further comprising the step of: executing said application program based on said command" is taught in '695 page 6, paragraph 0073.

As to dependent claim 44, "further comprising the step of: maintaining at least one common file on said at least one first server in common with said at least one second server" is shown in '695 page 7, paragraphs 0079 and 0086.

As to dependent claims 45, 46, 49, and 50 these claims contain substantial similar to dependent claim 2, and are rejected along the same rationale.

As to dependent claim 47, "wherein each of said first and second servers is designed so that, if a change in the common files of its own occurs, differential data before and after the change is sent to other server and that, if said differential data is received from the other server, the differential data is automatically copied into the common files of its own" is disclosed in '695 page 3, paragraph 0041.

As to dependent claim 48, "wherein each of said first and second servers is designed so that, if a change in the common files of its own occurs, differential data before and after the change is sent to other server and that, if said differential data

is received from the other server, the differential data is automatically copied into

the common files of its own" is shown in '695 page 3, paragraph 0041.

Conclusion

7.   Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Ellen C Tran whose telephone number is

(571) 272-3842. The examiner can normally be reached from 6:30 am to 3:30 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Gregory A Morse can be reached on (571) 272-3838. The fax phone number

for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the

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have questions on access to the Private PAIR system, contact the Electronic Business

Center (EBC) at 866-217-9197 (toll-free).

Ellen Tran
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16 November 2004

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